### **EAST Search History**

| Ref<br>#   | Hits | Search Query   | DBs                | Default<br>Operator | Plurals | Time Stamp       |
|------------|------|--|--------------------|---------------------|---------|------------------|
| 1          | 9    | ((370/230,351-356,389,401,410,465,466) OR (379/88.01,121.04,207.02, 219,221:06,221:15,227,265:03,265:09,265.11,388:07,390:01,420:03) OR (381/56,57,58,60,82,83,92,93,94.5,94.8,94.9,95)).CCLS. AND ((test AD1 tone) AND microphone AND echo AND speaker) | US-PGPUB;<br>USPAT | S.                  | NO      | 2006/03/06 10:17 |
| מ          | 18   | (test ADJ tone) AND microphone AND echo AND speaker AND (@AD<"20010130" OR @PRAD<"20010130")   | US-PGPUB;<br>USPAT | 8                   | NO      | 2006/03/06 10:19 |
| S2         | -    | ("6310941");PN:  | USPAT,<br>USOCR    | 8                   | OFF     | 2005/07/28 10:09 |
| <b>S3</b>  | П    | ("6141345").PN.  | USPAT;<br>USOCR    | S<br>S              | OFF     | 2004/09/03 12:01 |
| 2          | -    | ("6141341").PN.  | USPAT;<br>USOCR    | OR                  | H-O     | 2004/09/03:12:18 |
| <b>S</b> 2 | 1    | ("6128291").PN.  | USPAT;<br>USOCR    | æ                   | J-FO    | 2004/09/03 12:20 |
| Se         | -    | ("6125113");PN:  | USPAT;<br>USOCR    | æ                   | OFF     | 2004/09/03:12:22 |
| 27         | П    | ("6122255").PN.  | USPAT;<br>USOCR    | OR.                 | OFF     | 2004/09/03 12:23 |
| 88         | -    | ("6118864").PN.  | USPAT;<br>USOCR    | 8                   | OFF     | 2004/09/03 12:25 |
| 83         | П    | ("6078582").PN.  | USPAT;<br>USOCR    | R                   | OFF     | 2004/09/03 12:27 |
| S10        | =    | ("6078581").PN.  | USPAT;<br>USOCR    | 8                   | OFF     | 2004/09/03 12:28 |
| S11        | П    | ("6075784").PN.  | USPAT;<br>USOCR    | S<br>W              | OFF     | 2004/09/03 12:30 |
| S12        | Ţ    | ("6075783").PN.  | USPAT;<br>USOCR    | g                   | OFF     | 2004/09/03 12:31 |
| S13        | П    | ("6069891").PN.  | USPAT;<br>USOCR    | OR                  | OFF     | 2004/09/03 13:43 |

# 3/6/06 10:25:30 AM C:\Documents and Settings\JShew\My Documents\EAST\Workspaces\09771992.wsp

| S14 |    | ("6069890").PN.              | USPAT;<br>USOCR | OR.     | OFF     | 2004/09/03 13:43 |
|-----|----|------------------------------|-----------------|---------|---------|------------------|
| S15 | -1 | ("6064667").PN.              | USPAT;<br>USOCR | OR      | OFF     | 2004/09/03:13:45 |
| S16 | H  |                              | USPAT;<br>USOCR | OR      | OFF     | 2004/09/03 13:46 |
| Z17 | -  | ("60 <del>4</del> 9671").PN. | USPAT;<br>USOCR | S.      | OFF     | 2004/09/03 13:47 |
| S18 | П  | ("6047314").PN.              | USPAT;<br>USOCR | S.      | OFF     | 2004/09/03 13:47 |
| S19 |    | ("6031896").PN.              | USPAT;<br>USOCR | 8       | OFF     | 2004/09/03 13:49 |
| S20 | П  |                              | USPAT;<br>USOCR | OR.     | OFF     | 2004/09/03 13:50 |
| S21 |    | ("6011794").PN.              | USPAT;<br>USOCR | 8       | OFF     | 2004/09/03 13:51 |
| 225 | H  | ("6011792").PN.              | USPAT;<br>USOCR | OR      | OFF     | 2004/09/03 13:52 |
| S23 | -  | ("6008804").PN.              | USPAT;<br>USOCR | OR<br>S | 0<br>FF | 2004/09/08 11:58 |
| S24 | -1 | ("5991394").PN.              | USPAT;<br>USOCR | OR.     | OFF     | 2004/09/03 13:56 |
| S25 | н  | ("5982767");PN.              | USPAT;<br>USOCR | OR      | OFF     | 2004/09/03 13:58 |
| 925 | н  | ("5970065").PN.              | USPAT;<br>USOCR | S.      | OFF     | 2004/09/03 14:01 |
| S27 |    | ("5956334").PN.              | USPAT;<br>USOCR | 发       | OFF     | 2004/09/03 14:01 |
| 828 | н  | ("5953332").PN.              | USPAT;<br>USOCR | OR      | OFF     | 2004/09/03 14:02 |
| 828 | -  | ("5953331").PN.              | USPAT;<br>USOCR | 8       | OFF     | 2004/09/03 14:04 |

3/6/06 10:25:30 AM C:\Documents\EAST\Workspaces\09771992.wsp

## **EAST Search History**

|   | ("5953322").PN. | USPAT;          | æ      | OFF           | 2004/09/03 14:05 |
|---|-----------------|-----------------|--------|---------------|------------------|
| ("5944791").PN.                         |                 | USOCR<br>USPAT: | č      | 940           | 2004/09/03 14:14 |
| ("5041057") DN                          |                 | USOCR           | 5 6    |               |                  |
| ), ( ), ( ), ( ), ( ), ( ), ( ), ( ), ( |                 | usock           | 5      | <u>-</u><br>5 | 2004/03/03       |
| ("5923844").PN.                         |                 | USPAT;<br>USOCR | 8      | OFF           | 2004/09/03 14:16 |
| ("5919247").PN.                         | -               | USPAT;<br>USOCR | S<br>S | OFF           | 2004/09/03 14:17 |
| ("5909545").PN.                         |                 | USPAT;<br>USOCR | æ      | OFF           | 2005/03/30 13:20 |
| ("5907547").PN.                         |                 | USPAT;<br>USOCR | S.     | OFF           | 2004/09/03 14:19 |
| ("5892764").PN.                         |                 | USPAT;<br>USOCR | ğ      | OFF           | 2004/09/03 14:20 |
| ("5889774").PN.                         |                 | USPAT;<br>USOCR | S.     | OFF           | 2004/09/03 14:21 |
| ("5883891").PN.                         |                 | USPAT;<br>USOCR | æ      | OFF           | 2004/09/03 14:22 |
| ("5875296").PN.                         |                 | USPAT;<br>USOCR | S,     | OFF           | 2004/09/03 14:23 |
| ("5870610").PN.                         |                 | USPAT;<br>USOCR | ర్     | OFF           | 2004/09/03 14:24 |
| ("5870547").PN.                         | ÷               | USPAT;<br>USOCR | Ř      | OFF           | 2004/09/03 14:25 |
| ("5867495").PN.                         |                 | USPAT;<br>USOCR | ర్థ    | OFF           | 2004/09/03 14:27 |
| ("5867494").PN.                         |                 | USPAT;<br>USOCR | g      | OFF           | 2004/09/03 14:28 |
| ("5845077").PN.                         |                 | USPAT;<br>USOCR | OR     | OFF           | 2004/09/03 14:32 |

3/6/06 10:25:30 AM C:\Documents and Settings\JShew\My Documents\EAST\Workspaces\09771992.wsp

### **EAST Search History**

| S46         | 1                  | ("5838665"). PN.   | USPAT;<br>USOCR    | 8<br>S       | OFF    | 2004/09/03 14:33 |
|-------------|--------------------|--|--------------------|--------------|--------|------------------|
| <b>5</b>    | -1                 | ("5835713");PN:  | USPAT;<br>USOCR    | OR           | OFF    | 2004/09/03 14:34 |
| S48         | H                  | ("5790538").PN.  | USPAT;<br>USOCR    | g<br>R       | OFF    | 2004/09/03 14:35 |
| S49         | -                  | ("5786770").PN.  | USPAT;<br>USOCR    | 8            | OFF    | 2004/09/03 14:36 |
| 250         | ᆏ                  | ("5764756").PN.  | USPAT;<br>USOCR    | S.           | OFF    | 2004/09/03 14:37 |
| S51         | <del></del> 1      | ("5751706").PN.  | USPAT;<br>USOCR    | æ            | TEO.   | 2004/09/03 14:38 |
| S52         | П                  | ("5742596").PN.  | USPAT;<br>USOCR    | OR           | FO     | 2004/09/03 14:42 |
| <b>S</b> 53 | <b>9-1</b>         | ("5608786").PN.  | USPAT;<br>USOCR    | ಜ            | OFF    | 2004/09/03 14:43 |
| S54         | П                  | ("5604737").PN.  | USPAT;<br>USOCR    | OR.          | OFF    | 2004/09/03 14:44 |
| S55         | -                  | ("5421009").PN.  | USPAT;<br>USOCR    | క            | OFF.   | 2004/09/03 14:44 |
| S56         | 129                | VOIP AND (call ADJ center) AND (@AD<"20010130" OR<br>@PRAD<"20010130" OR @RLAD<"20010130")                                       | US-PGPUB;<br>USPAT | OR           | N<br>O | 2004/09/07 09:43 |
| 227         | 4849               | speaker AND remote AND control AND adjustment AND (@AD<"20010130" OR @PRAD<"20010130" OR @RLAD<"20010130")                       | US-PGPUB;<br>USPAT | æ            | Š      | 2004/09/03 16:12 |
| S58         | 143                | speaker AND remote AND control AND adjustment AND echo AND suppression AND (@AD<"20010130" OR @PRAD<"20010130")                  | US-PGPUB;<br>USPAT | <b>&amp;</b> | NO     | 2004/09/07 16:16 |
| S29         | 113                | speaker AND microphone AND remote AND control AND adjustment AND echo AND suppression AND (@AD<"20010130" OR @PRAD<"20010130")   | US-PGPUB;<br>USPAT | క            | NO     | 2005/07/26 09:52 |
| 260         | 12                 | speaker AND microphone AND (remote ADJ control) AND adjustment AND echo AND suppression AND (@AD<"20010130" OR @PRAD<"20010130") | US-PGPUB;<br>USPAT | S.           | NO     | 2004/09/03 16:28 |
| 3/6/06 11   | 3/6/06 10:25:30 AM |  |                    |              |        |                  |

3/6/06 10:25:30 AM C:\Documents and Settings\JShew\My Documents\EAST\Workspaces\09771992.wsp

| 2004/09/03 16:28  | 2004/09/03 16:28  | 2004/09/03 16:29   | 2004/09/03 16:29   | 2004/09/07 10:55  | 2004/09/07 13:13 | 2004/09/07 13:14 | 2004/09/07 13:14 | 2004/09/07 13:55  | 2004/09/07 13:57  | 2004/09/07 14:08   | 2004/09/07 14:46  | 2004/09/08 11:57 |
|---|---|--|--|---|------------------|------------------|------------------|---|---|--|---|------------------|
| NO  | 8   | NO   | Š  | Š   | OFF              | OFF              | OFF              | NO  | NO NO   | NO   | NO  | OFF              |
| <b>8</b> .  | 8   | æ  | 8  | S<br>S  | క                | OR               | 8                | S<br>S  | 8   | S<br>S   | 8   | OR.              |
| US-PGPUB;<br>USPAT  | US-PGPUB;<br>USPAT  | US-PGPUB;<br>USPAT   | US-PGPUB;<br>USPAT   | US-PGPUB;<br>USPAT  | USPAT;<br>USOCR  | USPAT;<br>USOCR  | USPAT;<br>USOCR  | US-PGPUB;<br>USPAT  | US-PGPUB;<br>USPAT  | US-PGPUB;<br>USPAT   | US-PGPUB;<br>USPAT  | USPAT;<br>USOCR  |
| internet AND (remote ADJ control) AND adjustment AND (@AD<"20010130" OR @PRAD<"20010130" OR @RLAD<"20010130") | internet AND (remote ADJ control) AND adjustment AND speaker AND (@AD<"20010130" OR @PRAD<"20010130") | internet AND (remote ADJ control) AND adjustment AND speaker AND microphone AND (@AD<"20010130" OR @PRAD<"20010130") | Internet. AND. (remote. ADJ. control). AND. adjustment. AND. speaker. AND. microphone. AND. echo. AND. (@AD<"20010130". OR. @PRAD<"20010130".) | VOIP AND (call ADJ center) AND gateway AND (@AD<"20010130" OR @PRAD<"20010130" OR @RLAD<"20010130") | ("6707811").PN.  | ("5649104").PN.  | ("5608872").PN.  | ((370/230,351-356,389,401,410,465,466) OR (379/88.01,121.04,207.02, 219,221.06,221.15,227,265.03,265.09,265.11)).CCLS. AND internet AND (remote ADJ control) AND adjustment AND speaker AND microphone AND (@AD<"20010130" OR @PRAD<"20010130" OR @PRAD<"20010130") | ((370/230,351-356,389,401,410,465,466) OR (379/88.01,121.04,207.02, 219,221.06,221.15,227,265.03,265.09,265.11)).CCLS. AND speaker AND microphone AND remote AND control AND adjustment AND echo AND suppression AND (@AD<"20010130" OR @PRAD<"20010130" OR @RLAD<"20010130") | internet AND (call ADJ center) AND DTMF AND (@AD<"20010130" OR @PRAD<"20010130" OR @RLAD<"20010130") | internet AND (call ADJ center) AND VOIP AND DTMF AND (@AD<"20010130" OR @PRAD<"20010130") | ("6665293").PN.  |
| 1033  | 480   | 343  | 58   | 82  | -                | Н                | =-1              | 17  | 111   | 311  | 45  | H                |
| S61   | S62   | S63  | ጀ  | <b>S</b> 92   | 995              | 295              | 898              | S70   | 17.5  | S72  | 573   | S74              |

| S75         |              | speaker AND volume AND bass AND adjustment AND echo AND suppression AND cancel AND balance AND treble AND (@AD<"20010130" OR @RLAD<"20010130")   | US-PGPUB;<br>USPAT | 8   | N<br>O      | 2005/03/25 10:06 |
|-------------|--------------|--|--------------------|-----|-------------|------------------|
| <b>9</b> 25 | -            | speaker AND volume AND bass AND adjustment AND echo AND suppression AND balance AND treble AND (@AD<"20010130" OR @PRAD<"20010130")  | US-PGPUB;<br>USPAT | R   | No          | 2004/09/07 16:18 |
| 277         | 120          | speaker AND volume AND bass AND adjustment AND balance AND treble AND (@AD<"20010130" OR @PRAD<"20010130" OR @PRAD<")  | US-PGPUB;<br>USPAT | R   | N<br>O      | 2004/09/07 16:19 |
| S78         | 30           | speaker AND volume AND bass AND adjustment AND balance AND treble<br>AND echo AND (@AD<"20010130" OR @PRAD<"20010130" OR<br>@RLAD<"20010130")  | US-PGPUB;<br>USPAT | R   | NO NO       | 2004/09/07 16:19 |
| S79         | 7948         | telephone AND DTMF AND (@AD<"20010130" OR @PRAD<"20010130" OR @RLAD<"20010130")  | US-PGPUB;<br>USPAT | g   | NO          | 2004/09/08 11:14 |
| 880         | -            | ("20040161095").PN.  | US-PGPUB;<br>USOCR | 8   | OFF         | 2004/09/08 11:57 |
| S81         | П            | ("5296643").PN.  | USPAT;<br>USOCR    | R   | OFF         | 2004/09/08 15:21 |
| 282         | <b>y-</b> -1 | ("5909545").PN.  | USPAT;<br>USOCR    | 8   | <b>0</b> FF | 2004/09/08 15:21 |
| 888         |              | ((370/230,351-356,389,401,410,465,466) OR (379/88.01,121.04,207.02, 219,221.06,221.15,227,265.03,265.09,265.11) OR (381/56,57,58,60,82,83, 92,93,94.5,94.8,94.9,95)).CCLS. AND speaker AND volume AND bass AND adjustment AND echo AND suppression AND cancel AND balance AND treble AND (@AD<"20010130" OR @PRAD<"20010130" OR @PRAD<"20010130" | US-PGPUB;<br>USPAT | S.  | 8           | 2006/02/28 15:32 |
| 065         | m<br>M       | ((370/230,351-356,389,401,410,465,466) OR (379/88.01,121.04,207.02,219,221.06,221.15,227,265.03,265.09,265.11) OR (381/56,57,58,60,82,83,92,93,94:5,94.8,94.9,95)).CCLS. AND microphone AND volume AND bass AND adjustment AND echo AND suppression AND (@AD<"20010130" OR @RLAD<"20010130")   | US-PGPUB;<br>USPAT | SO. | 8           | 2005/03/25 10:03 |
| S91         | 153          | microphone AND volume AND adjustment AND echo AND suppression AND (@AD<"20010130" OR @PRAD<"20010130" OR @PRAD<"20010130" OR @RLAD<"20010130")   | US-PGPUB;<br>USPAT | OR  | NO          | 2005/03/29 10:50 |
| 292         | 139          | microphone AND: (time ADJ delay) AND adjustment AND suppression AND (@AD<"20010130" OR @PRAD<"20010130")   | US-PGPUB;<br>USPAT | OR  | ON          | 2005/03/25 10:16 |

| 1                                       | ("6498858").PN.  | USPAT              | S<br>S   | OFF           | 2005/03/25 10:38 |
|---|--|--------------------|----------|---------------|------------------|
| *************************************** | conference. AND: microphone. AND: volume: AND. adjustment. AND: echo. AND. suppression. AND: (@AD<"20010130". OR. @PRAD<"20010130". OR. @RLAD<"20010130".)   | US-PGPUB;<br>USPAT | OR<br>S  | NO            | 2002/03/29 12:02 |
|   | ("5848146").PN.  | USPAT              | æ        | OFF           | 2005/03/29 12:02 |
|   | ((370/230,351-356,389,401,410,465,466) OR (379/88.01,121.04,207.02, 219,221.06,221.15,227,265.03,265.09,265.11,388.07,390.01,420.03) OR (381/56,57,58,60,82,83,92,93,94.5,94.8,94.9,95)).CCLS. AND (@AD<"20010130" OR @PRAD<"20010130" OR @PRAD<"20010130" OR  | US-PGPUB;<br>USPAT | <b>8</b> | <u>z</u><br>0 | 2006/02/28 16:30 |
|   | ((370/230,351-356,389,401,410,465,466) OR (379/88.01,121.04,207.02, 219,221.06,221.15,227,265.03,265.09,265.11,388.07,390.01,420.03) OR (381/56,57,58,60,82,83,92,93,94.5,94.8,94.9,95)).CCLS. AND conference AND microphone AND volume AND adjustment AND echo AND suppression AND (@AD<"20010130" OR @PRAD<"20010130" OR @PRAD<"20010130") | US-PGPUB;<br>USPAT | S.       | No.           | 2005/03/29 12:07 |
|   | ("6707811").PN.  | USPAT;<br>USOCR    | OR.      | DFF.          | 2005/03/30 10:03 |
|   | "771993".AP.   | USPAT              | S<br>S   | NO            | 2005/03/30 10:05 |
|   | "637805".AP.   | USPAT              | 8        | NO            | 2005/03/30 10:05 |
|   | ("6665293").PN.  | USPAT;<br>USOCR    | OR       | OFF           | 2005/03/30 13:20 |
|   | ((370/230,351-356)).CCLS.  | US-PGPUB;<br>USPAT | R        | 8             | 2005/07/25 15:29 |
|   | ((370/389,401)).CCLS.  | US-PGPUB;<br>USPAT | OR       | NO            | 2005/07/25 16:24 |
|   | ((370/410;465,466)):CCLS.  | US-PGPUB;<br>USPAT | S.       | NO            | 2005/07/26 08:03 |
|   | ((379/88.01,121.04,207.02,219,221.06,221.15,227,265.03,265.09,265.11,<br>388.07,390.01,420.03)).CCLS.  | US-PGPUB;<br>USPAT | OR       | NO            | 2005/07/26 08:38 |
|   | ((381/56,57,58,60,82,83,92,93;94.5,94.8,94.9,95)).CCLS.  | US-PGPUB;<br>USPAT | 8        | NO            | 2005/07/26 09:04 |

| 2005/07/26 10:12   | 2006/03/06 10:19   | 2005/07/28 10:09 | 2006/03/06 10:16   | 2006/02/03 14:31          | 2006/02/03 15:40          | 2006/02/06 08:07      | 2006/02/06 09:05  | 2006/02/06 09:45  | 2006/02/28:15:35  | 2006/02/28 15:35   | 2006/02/28 16:31  |
|--|--|------------------|--|---------------------------|---------------------------|-----------------------|---|---|---|--|---|
| 200  | 2000   | 200              | 200<br>200   | 2000                      | 2000                      | 200(                  | 2006  | 5000  | 2000  | 2006   | 2006  |
| NO O   | 8  | OFF              | S<br>O   | N<br>O                    | Š                         | NO NO                 | 8   | NO<br>O   | NO  | NO .   | NO O  |
| 8  | 8  | R                | R  | QR.                       | 8                         | R                     | 8   | S<br>S  | 8   | OR   | OR  |
| US-PGPUB;<br>USPAT   | US-PGPUB;<br>USPAT   | USPAT;<br>USOCR  | US-PGPUB;<br>USPAT   | US-PGPUB;<br>USPAT        | US-PGPUB;<br>USPAT        | US-PGPUB;<br>USPAT    | US-PGPUB;<br>USPAT  | US-PGPUB;<br>USPAT                                      | US-PGPUB;<br>USPAT  | US-PGPUB;<br>USPAT   | US-PGPUB;<br>USPAT  |
| (test ADJ tone) AND microphone AND echo AND suppression AND (@AD<"20010130" OR @PRAD<"20010130") | (test ADJ tone) AND microphone AND echo AND speaker AND (@AD<"20010130" OR @PRAD<"20010130") | ("5666407").PN.  | ((370/230,351-356,389,401,410,465,466) OR (379/88.01,121.04,207.02,<br>219,221.06,221.15,227,265.03,265.09,265.11,388.07,390.01,420.03) OR<br>(381/56,57,58,60,82,83,92,93,94.5,94.8,94.9,95)).CCLS. | ((370/230,351-356)).CCLS. | ((370/389,401,410)).ccLS. | ((370/465,466)).CCLS. | ((379/88:01,121.04,207.02,219,221.06,221.15,227,265.03,265.09,265.11,<br>388.07,390.01,420.03)).CCLS. | ((381/56,57,58,60,82,83,92,93,94.5,94.8,94.9,95)).CCLS. | ((370/230,351-356,389,401,410,465,466) OR (379/88.01,121.04,207.02, 219,221.06,221.15,227,265.03,265.09,265.11) OR (381/56,57,58,60,82,83, 92,93,94.5,94.8,94.9,95)). CCLS. AND (applet AND speaker AND volume AND delay AND tone ). CLM.: AND (@AD>"20010130" OR @PRAD>"20010130" OR @PLAD>"20010130") | ((370/230,351-356,389,401,410,465,466) OR (379/88.01,121.04,207.02, 219,221.06,221.15,227,265.03,265.09,265.11,388.07) OR (381/56,57,58,60,82,83,92,93,94.5,94.8,94.9,95)).CCLS. AND (applet AND speaker AND volume AND delay AND tone ).CLM. AND (@AD>"20010130" OR @RLAD>"20010130") | ("Siegrist").IN. AND (@AD<"20010130" OR @PRAD<"20010130" OR @RLAD<"20010130") |
| 9  | 17   | П                | 19820  | 7151                      | 7445                      | 3440                  | 2670  | 1906  | 0   | 0  | 107   |
| S11<br>8   | S11  | S12<br>0         | S12<br>1   | S12<br>4                  | S12<br>6                  | S12<br>7              | S12<br>8  | S12.<br>9   | 0 513   | S13<br>1   | S13<br>3  |